

Headquarters U.S. Air Force

Integrity - Service - Excellence

USAF CBRN Survivability



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U.S. AIR FORCE





- Why CBRN Survivability?
- Air Force CBRN Survivability Program
- Future Focus of CBRN Survivability





Why CBRN Survivability?

The mission of the United States Air Force is to fly, fight and win...in air, space and cyberspace





Operational Impacts

- Chemical Warfare Agents
 - Percutaneous and Inhalation Hazard
 - Denies/Disrupts Use of Equipment and Facilities
 - Damage to Equipment
- Biological Warfare Agents
 - Percutaneous and Inhalation Hazard
 - Denies/Disrupts Use of Equipment and Facilities
 - Difficulty to detect/characterize
- Radiological Hazards
 - Potential percutaneous and inhalation hazard
 - Limited medical treatment options
 - Lengthy hazard duration



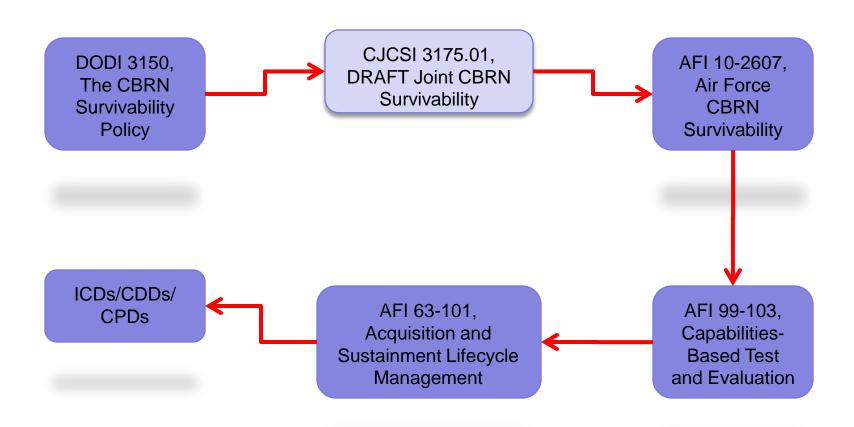
Operational Impacts (cont.)

- Nuclear hazards
 - Electromagnetic Pulse (EMP) Effects
 - Shock/Blast
 - Thermal
 - Overpressure
 - Downwind Hazards



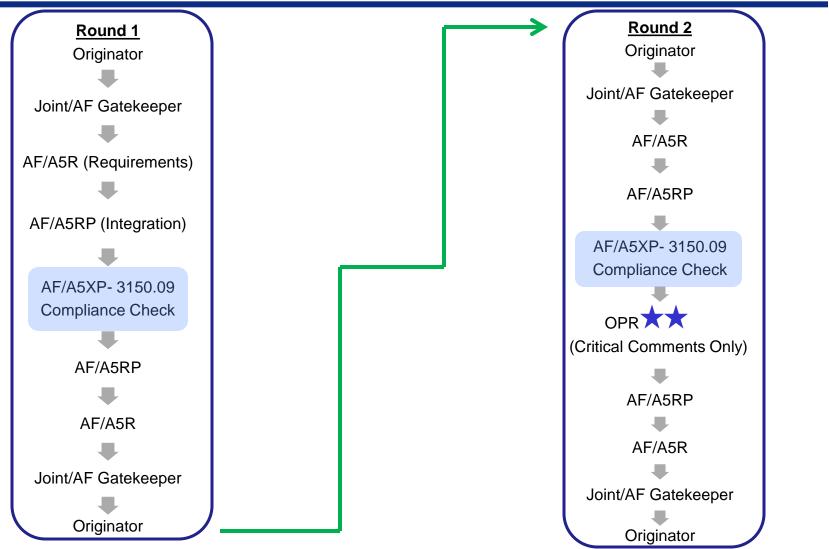


AF CBRN Survivability



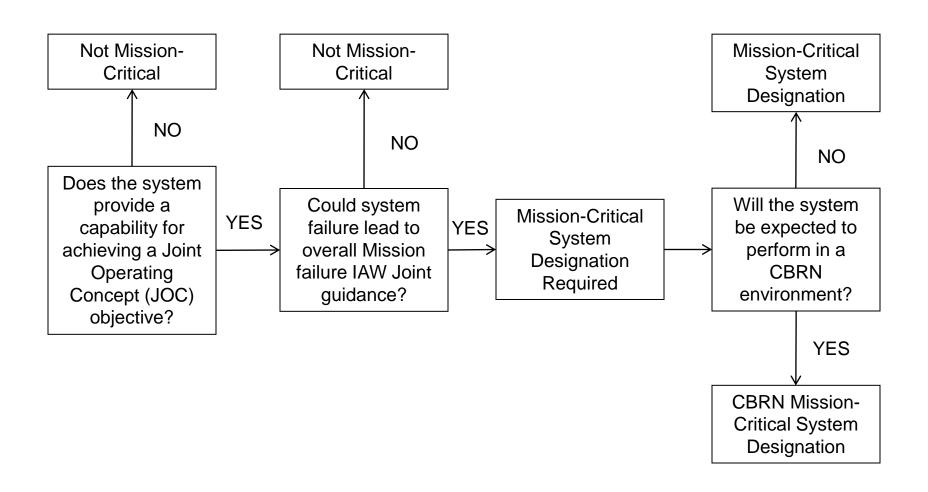


Document Review Process





Mission-Critical Designation





USAF Perspective

- Better comprehension/understanding of USAF operational parameters
 - Minimize denial and disruption of critical mission operations through system hardening
 - Parameter/operational constraints
 - Fight where we sleep





Future Focus of CBRN Survivability

Industry needs the ability to test system materials and components against the effects of CBRN agents

 CBRN survivability needs to be incorporated into estimating lifecycle costs for maintaining existing systems or developing new ones



Questions?

